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DATE OF ISSUE  
8/20/2001

SUPERSEDES  
7/26/1999

## SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms

N/

Trade Name & Synonyms

TEL-X PLUS AEROSOL

Family:  
AEROSOL TELOMER LUBRICANT

Formula Mixture --> X

Manufacturer's Name:  
CHEMSEARCH DIV. OF NCH CORP.

Address:  
BOX 152170  
IRVING, TX 75015

Prepared By:  
K Dickinson/Chemist

Product Code Number  
5496

Emergency Phone Number  
800-424-9300

## SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
POLY TFE, OMEGA-HYDRO-ALPHA-(METHYLCYCLOHEXYL)	IRRITANT	NOT EST. 1	NOT EST. 2	NOT EST.	65530-85-0
PROPANE	FLAM/ASPHX	2500 PPM 1	1000 PPM 2	NOT EST.	74-98-6
ISOBUTANE	FLAMM/IRR.	NOT EST. 1	NOT EST. 2	NOT EST.	75-28-5
ISOPROPYL ALCOHOL	FLAM/IRR.	400 PPM 1	400 PPM 2	500 PPM 1	67-63-0

## SECTION III - PHYSICAL DATA

Boiling Point (F):	180	Specific Gravity (H2O=1):	0.99
Vapor Pressure (MM HG):	350	Color:	WHITE
Vapor Density (Air=1):	4.8	Odor:	ALCOHOL
PH @ 100% :	4-6	Clarity:	HAZY
% Volatile by Volume:	97	Evaporation Rate (BU A/C=1):	< 1
H2 Solubility:	APPRECIABLE	Viscosity:	NON-VISCOUS

## SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: 53 F / T.C.C.	Flammable Limits ISOPROPYL ALCOHOL	LEL 2.0	UEL 12.7
Extinguishing Media X <--Foam X <--Alcohol Foam X <--CO2 X <--Dry Chemical X <--Water Spray <--Other			
Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.			
Unusual Fire and Explosion Hazards: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT SOURCES OF IGNITION AND FLASHBACK. FLAME EXTENSION IS 24 INCHES, BURNBACK IS 6 INCHES.			
Aerosol Level (NFPA 30B): 3			
NFPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme) 2 <--Health 4 <--Flammability 0 <--Instability <--Special			

USEPA SF



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## SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:  
NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

-Acute (Short Term Exposure)

SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS OR RASH. CONTACT WITH LIQUID CAN FREEZE TISSUE, SIMILAR TO THERMAL BURN. MAY CAUSE FROSTBITE.

EYE CONTACT: CAUSES IRRITATION SEEN AS REDNESS, STINGING AND TEARING.

INHALATION: CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. PRODUCT VAPORS DISPLACE AIR AND CAN CAUSE ASPHYXIATION, DIZZINESS, WEAKNESS, DROWSINESS AND PERIPHERAL NUMBNESS. MAY CAUSE HEADACHE, DIZZINESS, NAUSEA AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING AND DIARRHEA. INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO BRONCHOPNEUMONIA OR PULMONARY EDEMA.

-Chronic (Long Term Exposure)

NO CHRONIC EFFECTS KNOWN. NOTE: INHALATION OF DECOMPOSITION PRODUCTS MAY CAUSE POLYMER FUME FEVER; OR LUNG IRRITATION REQUIRING MEDICAL TREATMENT FOR FLUORINE COMPOUNDS WHICH CAN CAUSE DELAYED PULMONARY EDEMA. POLYMER FUME FEVER IS A FLU-LIKE ILLNESS WITH FEVER, CHILLS, AND SOMETIMES COUGH, WHICH OCCURS SEVERAL HOURS AFTER EXPOSURE AND SUBSIDES WITHIN 24 HOURS EVEN IN THE ABSENCE OF TREATMENT. POLYMER FUME FEVER DOES NOT CAUSE PERMANENT INJURY AND THE EFFECTS ARE NOT CUMULATIVE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA AND DERMATITIS.

TARGET ORGANS: CENTRAL NERVOUS SYSTEM.

Primary Routes of Entry: X <--Inhalation <--Ingestion <--Absorption

## SECTION IX - SPECIAL PROTECTION INFORMATION (Continued)

## SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors--> X      Outdoors-->      Heated-->      Refrigerated-->  
Minimum Temperature: 32 F      Maximum Temperature: 120 F

Precautions to be Taken in Handling and Storing:

US. CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME. DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND OR EXPOSE  
EMPT. CONTAINERS TO HEAT, HOT SURFACES, SPARKS OR OPEN FLAMES.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT.

## SECTION XI - REGULATORY INFORMATION

Chemical Name  
None

CAS Number

Upper & Limit

Those ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer.  
This MSDS is not intended for users in the state of California.

## SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2001.
  2. OSHA PEL.
  3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2001.
- ALL COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.  
IRR: IRRITANT, FLAM/FLAMM: FLAMMABLE, COMB: COMBUSTIBLE, CORR: CORROSIVE  
CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED,  
COC: CLEVELAND OPEN CUP, PMCC: PENSKY-MARTIN CLOSED CUP, TCC: TAGLIABUE  
CLOSED CUP, LEL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT,  
NFPA: NATIONAL FIRE PROTECTION ASSOCIATION, IARC: INTERNATIONAL AGENCY FOR  
THE RESEARCH ON CANCER, NTP: NATIONAL TOXICOLOGY PROGRAM,  
OSHA: OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH: AMERICAN  
CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV: THRESHOLD LIMIT  
VALUE, PEL: PERMISSIBLE EXPOSURE LIMIT, STEL: SHORT-TERM EXPOSURE LIMIT,  
MLD: MILD, MOD: MODERATE, SEV: SEVERE, MUT: MUTAGENIC, ASPHYX: ASPHYXANT,  
PNOS: PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT: STANDARD DRAIZE  
TEST, ORL: ORAL, HMN: HUMAN,  
IHL: INHALATION

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